

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/092510 A1

(51) International Patent Classification⁷: B03C 3/16 // 3/01

(21) International Application Number:
PCT/FI2005/000161

(22) International Filing Date: 21 March 2005 (21.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
20040466 29 March 2004 (29.03.2004) FI

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

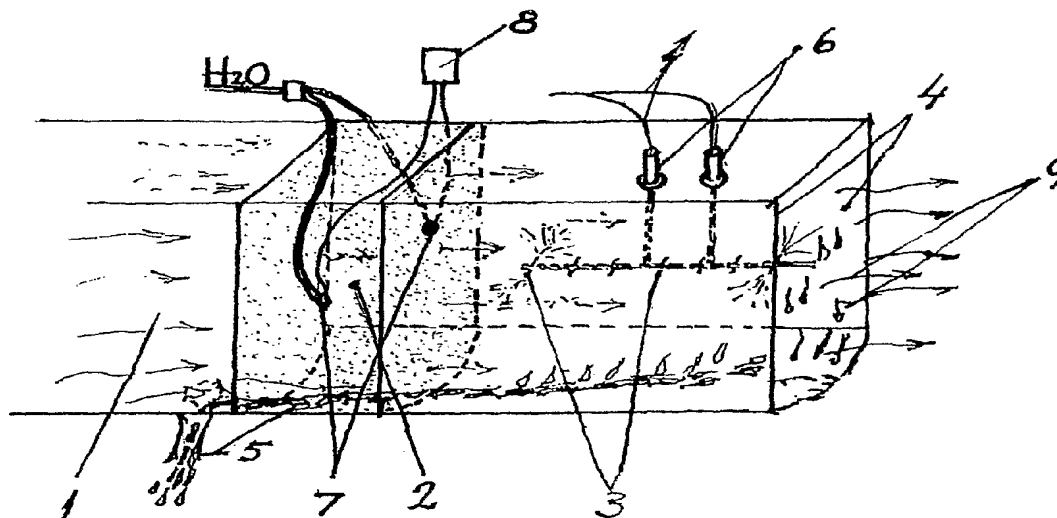
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: DEVICE AND METHOD FOR REMOVING UNDESIRABLE GASES AND PARTICLES FROM THE AIR



(57) Abstract: This invention refers to a device and a method for removing undesirable gases and particles from the air, which device comprises a purifying chamber through which air (1) to be purified is arranged to pass and having an entrance end provided with a zone (2) producing water dust, said purifying chamber being provided with ion emitting tips (3) operating by high voltage current and with collecting surfaces (4) collecting impurities from the air. The invention is characterised in that said zone (2) is provided with dies (7) producing water dust having a droplet size of 20 to 40 μm, and that said collecting surfaces (4) are grounded and that the ion emitting tips (3) are directed toward said collecting surfaces (4) and generate ion jets rushing from the ion emitting tips (3) causing water dust and gases and particulate materials attached to the droplets of said dust to be forced against said collecting surfaces (4).

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